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THE REA ELECTRIFIED FARM

A JOINT enterprise of the Exhibits Committee of the World Power Conference, the National Electrical Manufacturers' Association, the Plumbing Industry, Manufacturers of Farm Equipment, and the Rural Electrification Administration

●
To demonstrate some of the uses of electricity on the farm and in the farm home

MAY 16 1945

● OPEN TO VISITORS

Week days 10 a. m. to 12 noon, 2 to 5 p. m.

Sundays 2 to 5 p. m.

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The Purpose and History of the Farm

The REA Electrified Farm at Sterling, Va., is a project sponsored by the Exhibits Committee of the World Power Conference, the National Electrical Manufacturers Association, the Plumbing Industry, Manufacturers of Farm Equipment, and the Rural Electrification Administration. It is open to the public, so that visitors to Washington may have an opportunity to see some of the uses of electricity on the farm and in the farm home.

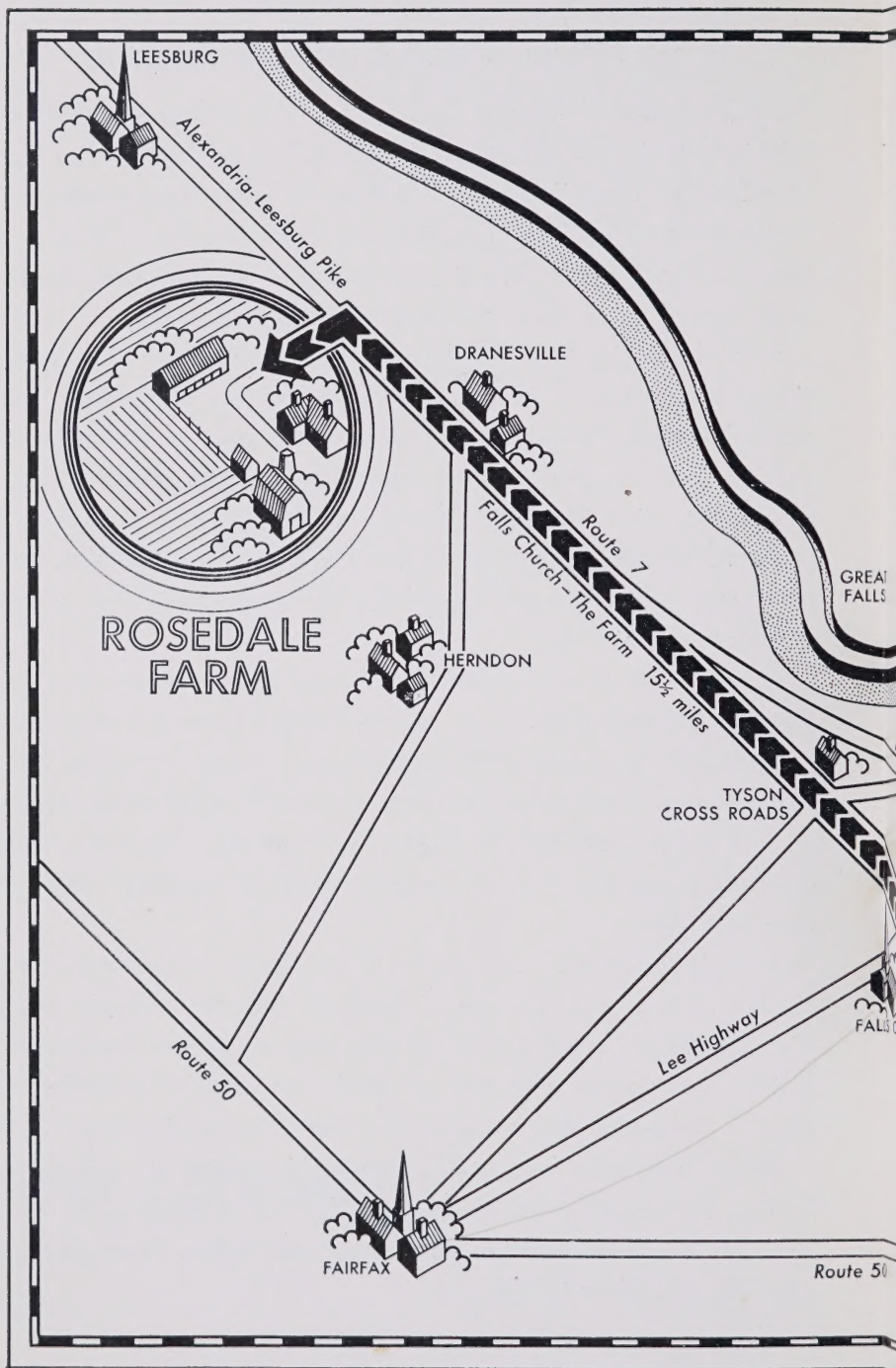
Here electricity has blended modernized farming with the charm of a historic background. It increases efficiency and the farm output, and has reduced drudgery. It adds to the comfort and pleasure of the family. Electric power pumps water for the house, the barns, and for irrigation. It hoists hay, grinds feed, milks the cows, cools the milk, operates farm tools and machinery. It provides light, preserves and cooks the food, and performs many other tasks. It has increased the value of the property and has reduced fire hazards to a minimum.

Visitors are received on week days during the hours from 10 a. m. until 12 noon, and from 2 to 5 p. m., and on Sundays between 2 and 5 p. m.

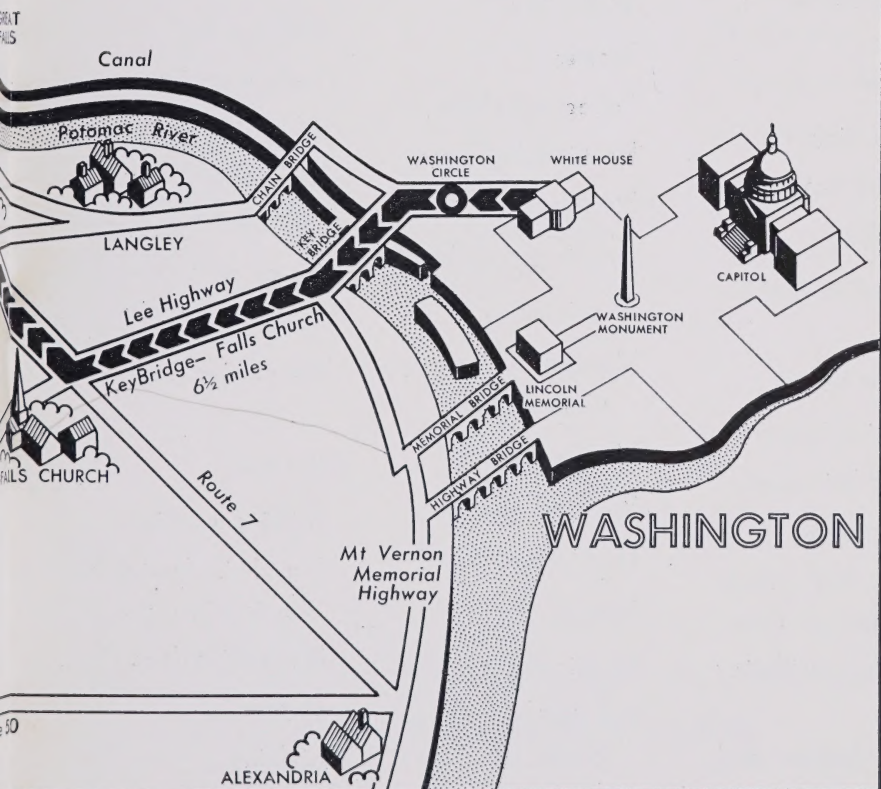
The farmhouse, owned by Mr. and Mrs. J. M. Hughes, is nearly 200 years old. Built first of logs, it has been modernized by gradual stages, keeping the original structure. White frame covers the rough logs. The roof is of green composition and the six-room house has been enlarged by two downstairs room extensions.

During the Civil War, Gen. Robert E. Lee made the farmhouse his headquarters for a short time. Gen. "Stonewall" Jackson conferred and dined with him there. "Fighting Joe" Hooker also visited the farm during that period. Occasionally even now a rusted cannonball is unearthed by the plow on this ground that was once the scene of many skirmishes.

The 212 farm acres have been conserved by rotation of crops and careful farming. At present about 70 acres are devoted to pasturage for the dairy herd. The crops include corn, wheat, hay, and barley. Hogs, poultry, and eggs add to the farm income.



HOW TO REACH THE *R&A* ELECTRIFIED FARM



REA Electrified Farm Equipment

Power line

Transformer
Voltage boosters

Wiring

House wiring
Farm building wiring
Panel board
Underground cable
to buildings

Residence

Kitchen sink
Laundry trays
Plumbing
Cream separator
Churn
Radiant heater
Immersion heater
Electric hair dryer
Sunray lamp
Floor and table
lamps
10-inch oscillating
fan
Electric heating pad

Residence—Contd.

Electric vibrator
Electric curling iron
Electric clocks (3)
Radio
Air - conditioning
units (2)
16-inch fan
12-inch fan
Waffle iron
Toaster
Coffee percolator
Electric refrigerator
Electric range
Electric dishwasher
Electric mixer
Ventilating fan,
window type
Vacuum cleaner
Washing machine
Flatiron and board
Ironer
Electric water heater
Bell-ringing trans-
former

Farm yard

Floodlights
Portable motor (out-
lets to barns and
garage)
Plumbing to perma-
nent pasture
Light for sign

Milk house

Milk cooler
Surface cooler
Water heater
Lighting
Industrial shower
Lavatory
Toilet
Fly screens, 3 doors

Dairy barn

Milking machine
Hay hoist (portable
motor)
Ventilating fans (2)
Clipper
Lighting

REA Electrified Farm Equipment—*Continued*

<i>Feed house</i>	<i>Horse barn</i>	<i>Garage</i>
Feed grinder	Hay hoist (portable motor)	Wood saw (portable motor)
Feed mixer		
Corn sheller	Electric fence	Lighting
Lighting	Lighting	<i>Utility building</i>
	Plumbing	Lighting
<i>Poultry house</i>	<i>Farm shop</i>	Water pump
Incubator	Lighting	Plumbing
Brooder (In new portable brooder house)	Portable tools	Siren
	Soldering irons	<i>Smokehouse</i>
Water heater	Drill press	Meat grinder
Pan and guard	Bench grinder	Lighting
Ultra-violet	Band saw	<i>Garden</i>
Lighting	Circular table saw	Hot bed
Plumbing	Forge	Overhead irrigation

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All this equipment has been installed by the manufacturers, on loan for a year. The interest and cooperative spirit displayed by these firms have made this demonstration possible

REA at a Glance

● The Rural Electrification Administration is a Government agency established by Congress to administer a 10-year program.

The purpose of the program is to take electricity to the farm; to have it used there in quantities sufficient to lighten farm labor materially and to enable the farm family to have the physical comforts and cultural advantages which electric power can bring.

REA does this by lending funds to construct new rural power systems extending into rural districts which are without electric service.

Under suitable conditions, REA lends the entire cost of building the systems. Loans are made on favorable terms. Borrowers are given a long term of years to pay back loans, and the interest rate is low.

Obtain detailed information from the Rural Electrification Administration, Washington, D. C.